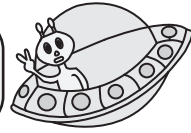


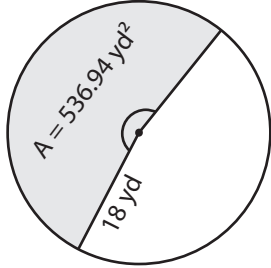
Radius, Central Angle & Area

$$\text{Area of a sector} = \frac{\text{central angle}}{360^\circ} \times \pi \times \text{radius}^2 = \frac{\theta \times \pi \times r^2}{360^\circ}$$



Find the missing one. Round the radius and central angle to the nearest whole number.
Round the area to two decimal places. (use $\pi = 3.14$)

1)

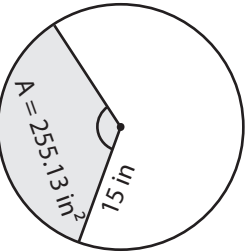
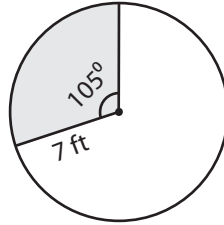


Radius = _____

Central angle = _____

Area of a sector = _____

2)

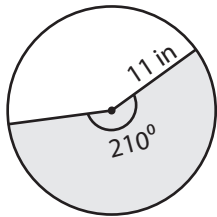


Radius = _____

Central angle = _____

Area of a sector = _____

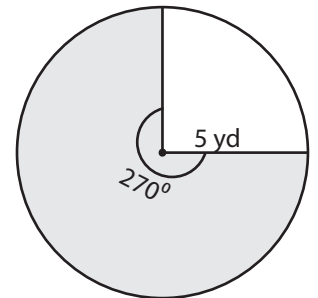
4)



Radius = _____

Central angle = _____

Area of a sector = _____

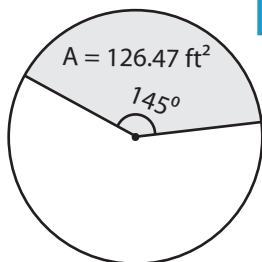


Radius = _____

Central angle = _____

Area of a sector = _____

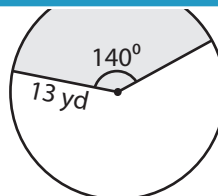
7)



Radius = _____

Central angle = _____

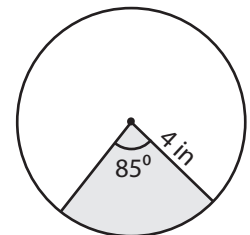
Area of a sector = _____



Radius = _____

Central angle = _____

Area of a sector = _____



Radius = _____

Central angle = _____

Area of a sector = _____

PREVIEW

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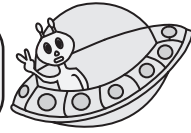
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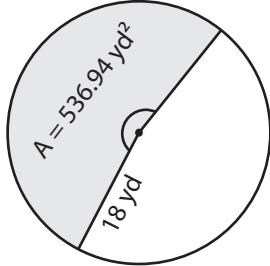
Radius, Central Angle & Area

$$\text{Area of a sector} = \frac{\text{central angle}}{360^\circ} \times \pi \times \text{radius}^2 = \frac{\theta \times \pi \times r^2}{360^\circ}$$



Find the missing one. Round the radius and central angle to the nearest whole number.
Round the area to two decimal places. (use $\pi = 3.14$)

1)

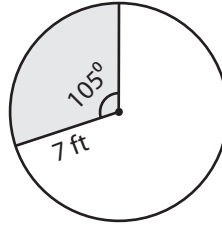


Radius = 18 yd

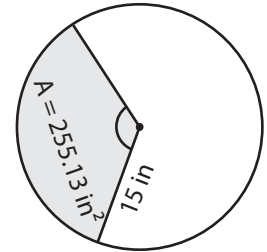
Central angle = 190°

Area of a sector = 536.94 yd²

2)



3)

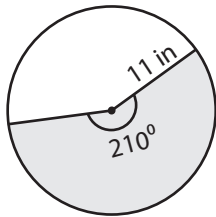


Radius = 15 in

Central angle = 130°

Area of a sector = 255.13 in²

4)



Radius = 11 in

Central angle = 210°

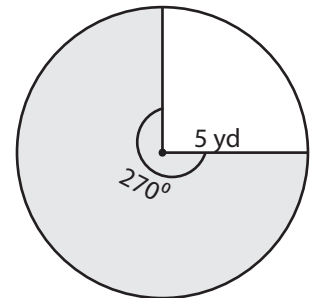
Area of a sector = 221.63 in²

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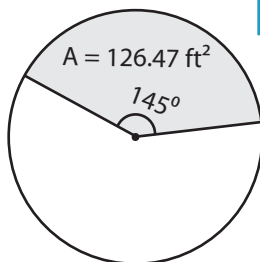


Radius = 5 yd

Central angle = 270°

Area of a sector = 58.88 yd²

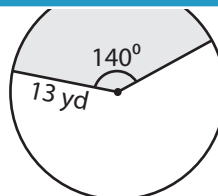
7)



Radius = 10 ft

Central angle = 145°

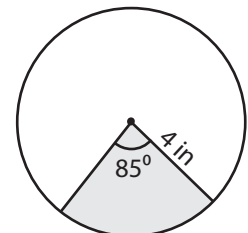
Area of a sector = 126.47 ft²



Radius = 13 yd

Central angle = 140°

Area of a sector = 206.37 yd²



Radius = 4 in

Central angle = 85°

Area of a sector = 11.86 in²